

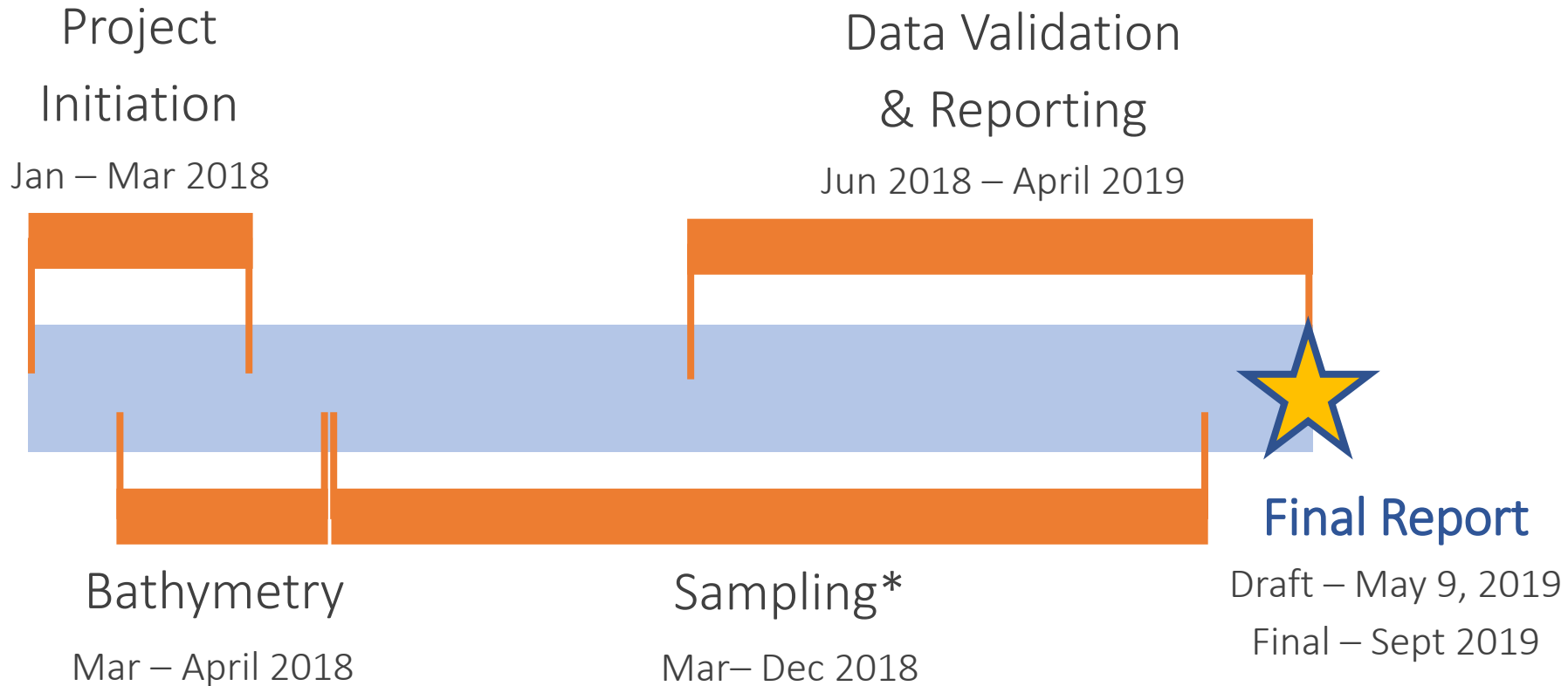
Portland Harbor Pre-Remedial Design Investigation and Baseline Sampling

Community Advisory Group
April 11, 2018

Pre-Remedial Sampling AOC includes a commitment to providing communications support

- Responding to public inquiries
- Providing regular updates to the CAG
- Responding to other requests for support from EPA

Schedule Overview



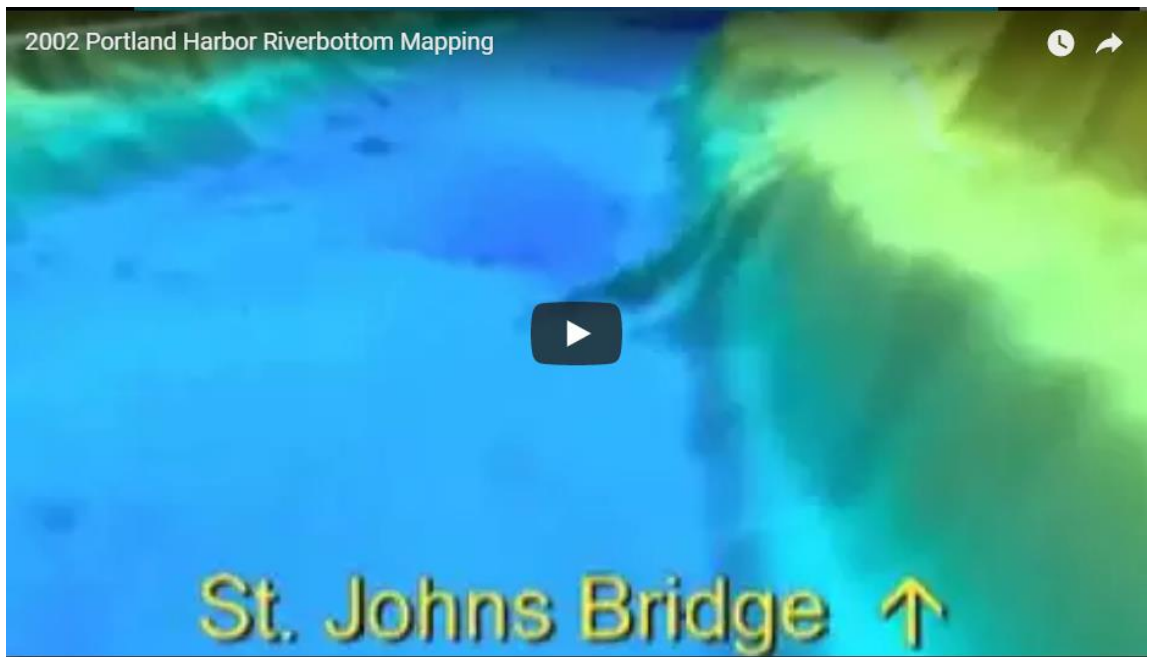
*Acoustic fish tracking will continue through April 2019

Overview of Pre-Remedial Design Sampling

The sampling program starts with creating a current map of the bottom of the river (bathymetry)

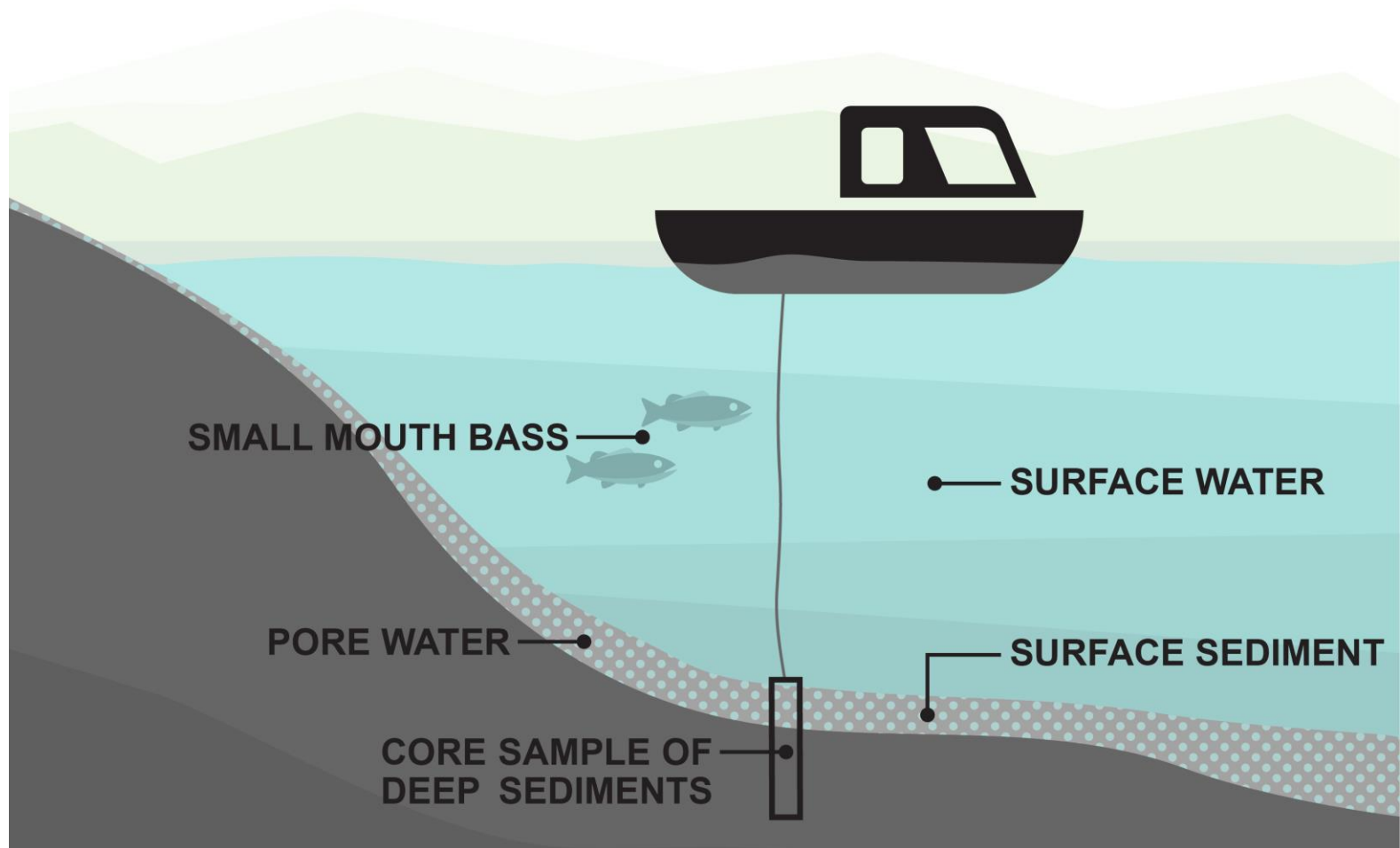
Provides up-to-date maps of the bottom of the river.

Provides information needed to plan other sampling activities, such as sediment core samples.



EPA 2002 Portland Harbor Riverbottom Mapping

Samples will be collected from different parts of the river across the Portland Harbor area



Example of sampling locations

Legend

- Proposed Stratified Random Sediment Sample Location (n = 428)
- Proposed Sediment Grab Location for SMA Delineation* (n = 178)
- ▲ Proposed Subsurface Core Location for SMA Delineation* (n = 60)
- Proposed Bank Shallow Core Sample for SMA Delineation (n = 30)
- Proposed Upriver Sediment Grab Sample Location (n = 60)
- ★ Proposed Fish Tissue Sample Location (n = 135)
- ◆ Proposed Surface Water Sample Location (n = 21)
- ◆ Proposed Sediment Trap Sample Location (n = 4)
- Surface Water Transect
- Alt F Mod SMA Footprint



Current Updates

Project initiation focused on development and approval of quality assurance and field sampling plans

Health and Safety Plan

- ✓ Bathymetry
- ✓ Data Quality Management Plan
- ✓ Quality Assurance Project Plan
- ✓ Surface Water/
Sediment Trap

✓ Surface Sediment

- ✓ Acoustic fish tracking
- ✓ Sediment coring
- ✓ Fish tissue sampling
- ✓ Porewater sampling

✓ Approved by EPA

✓ Conditionally approved by EPA

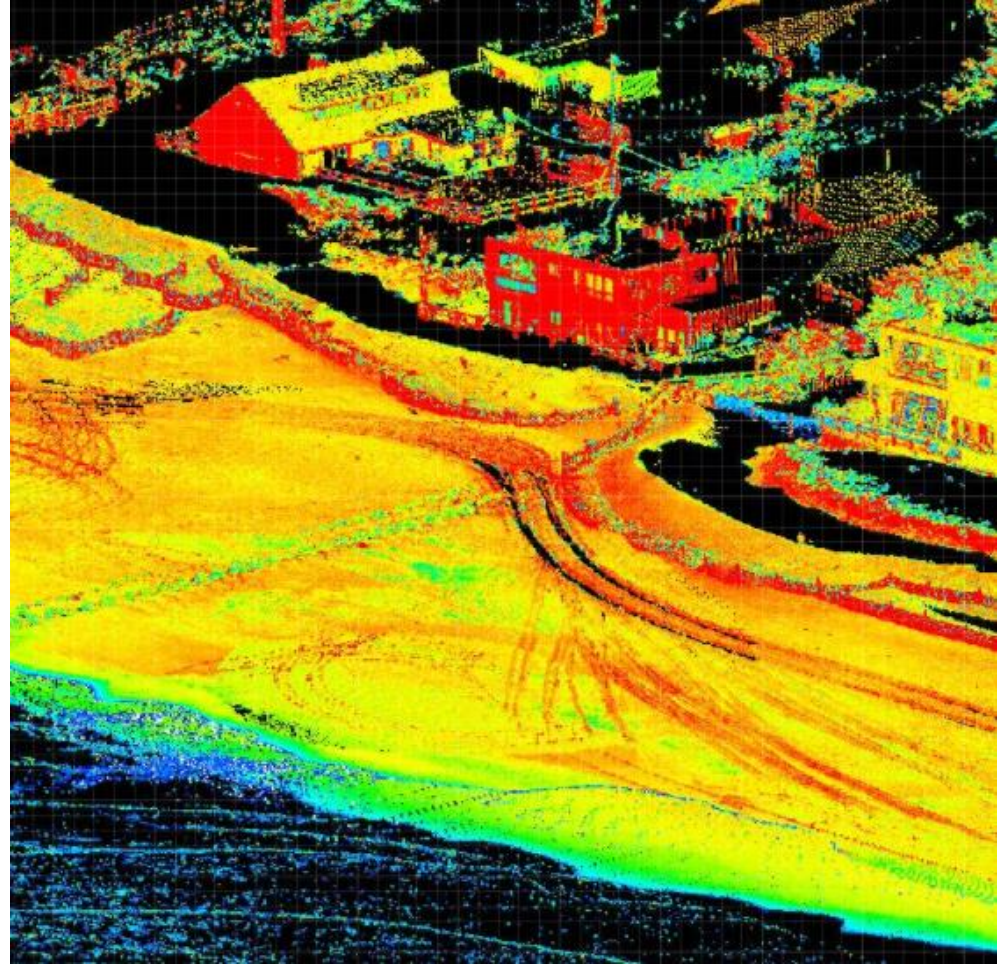
✓ In process

Bathymetry work is mostly complete

Originally planned for completion in March.

Bathymetry of main channel is complete, but low water levels inhibited near shore work.

Working with EPA to confirm approach to near shore work, likely using LIDAR.



LIDAR example from USGS site

Planned upcoming sampling activities

April – June	Sediment grab sampling Sediment trap deployment Sediment grab sampling Acoustic fish tracking
June - July	Surface water sampling
Throughout project	Field support lab

Next planned update to CAG

Wednesday, July 11, 2018